

FIG.1A

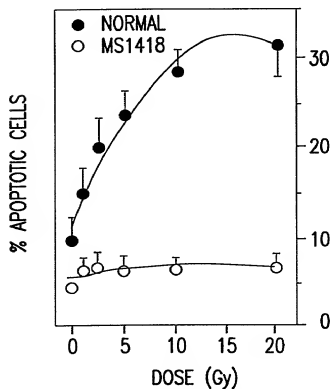
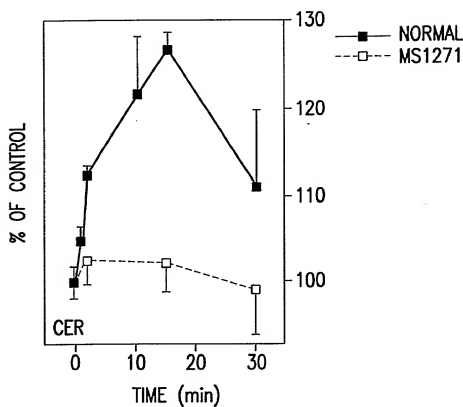
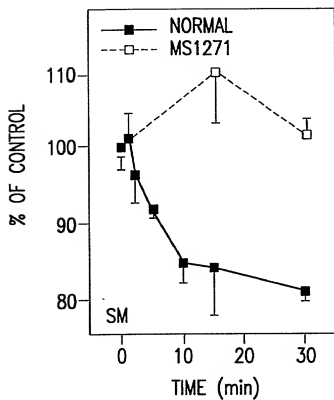


FIG.1B



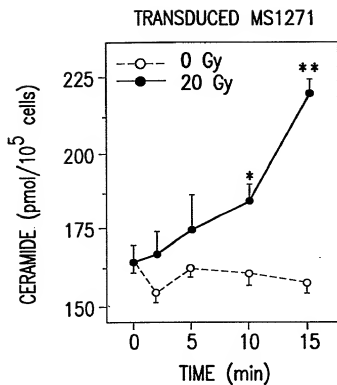


FIG.2A

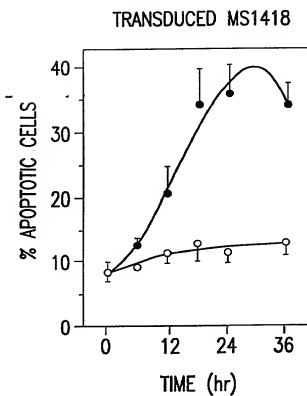


FIG.2B

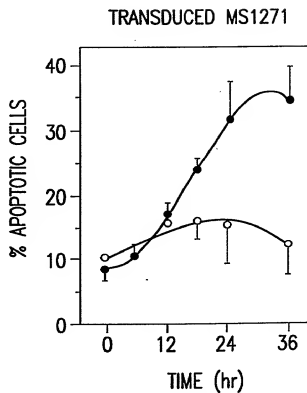


FIG.2C

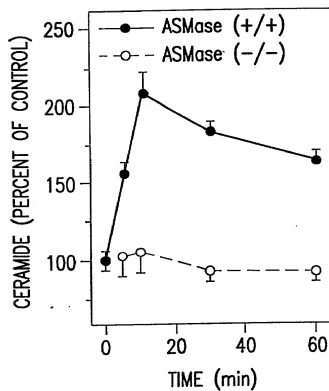


FIG.3A

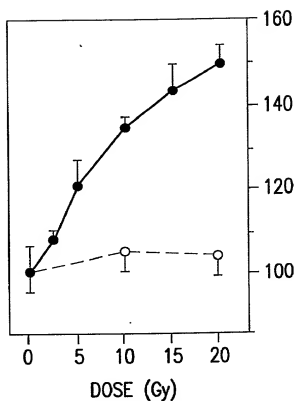


FIG.3B

Y0E180 2282660

X400

X1000

F
P
O

4

/

C

ASMase +/+

ASMase -/-

FIG.4

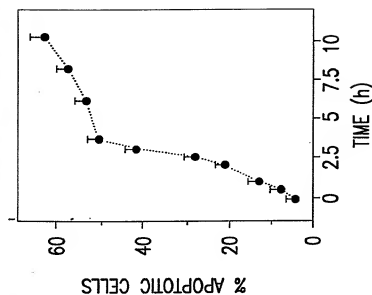


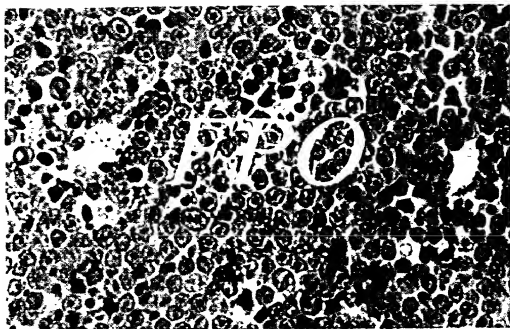
FIG. 5A

MICE	TISSUES	4 Gy	5 Gy	7.5 Gy
129/SV	THYMUS	558 (27.9%)	652 (32.6%)	737 (36.9%)
ASMASE -/-		240 (12.0%)*	346 (17.3%)*	565 (28.2%)*
129/SV	SPLEEN	288 (14.3%)	470 (23.6%)	560 (28.6%)
ASMASE -/-		185 (9.2%)*	323 (16.1%)*	397 (19.0%)*

*p< 0.001_vs. 129/SV

FIG. 5B

ASMas +/+



ASMas -/-

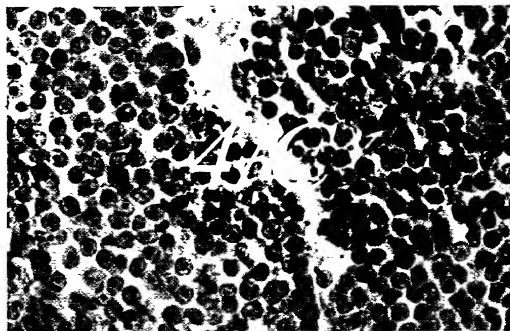


FIG.6

Thymus

Lung

p53 +/+

p53 -/-

FIG. 7